

8K 60Hz HDMI 2.1 EDID Emulator

EDID Emulator

Stores and reproduces EDID information for an 8K 60Hz HDMI display.

- Emulates an HDMI display (sink device) by providing Hot Plug Detect and EDID to the HDMI source device.
- Supports Ultra-HD 8K resolutions to 7680x4320@60Hz YUV 4:4:4, UHD 4Kx2K resolutions to 3840x2160@120Hz 4:4:4, 2560x1440p (WQHD), HDTV resolutions to 1080p, and up to 1920x1200 (WUXGA).
- HDMI features supported:
 - HDMI 2.1
 - 16-bit Deep Color
 - RGB, YCC 4:4:4, YCC 4:2:2
 - Dolby, LPCM, DTS
 - 3D
 - HDR
- HDCP 1.4/2.2 compliant.
- Supports Learning and Emulation modes.
 - Learning mode: store a display's EDID for later use.
 - Emulation mode: provides EDID to the HDMI source device from the emulator's internal memory.
 - ♦ **Supports headless operation – no monitor attached to source.**
 - Ideal for remote desktop access to a headless computer, virtual desktop on VR headsets, and for use with GPGPU tasks such as cryptocurrency mining.
- Pre-programmed with many standard resolutions with native set to 1080p.
 - Use learning mode to program other resolutions.
- LED indicator turns on when running with a learned resolution.
- Compact design for easy installation and operation.
- No power supply – powered by video source.
- Use for resolving signal handshaking problems between a source and a display.

HD8K-EDID-EMLTR (Front & Back)

- **Headless operation**
- **Video pass-through**
- **Resolutions to Ultra-HD 8K 4320p 60Hz**
- **HDMI 2.1**

The HDMI 2.1 EDID Emulator stores and reproduces EDID information for an HDMI display, and resolves video communication problems that occur between an HDMI video source and display. It is designed for systems that require EDID signals to be continuously provided without interruption, and ensures that the EDID signal is not lost when using AV/KVM switches, splitters, and extenders. Additionally, the emulator can be used in place of a monitor to keep the graphics card of a PC or server awake for remote access over IP.

Specifications

Connectors

- One female HDMI port for display connection.
 - Supports Ultra-HD 8K resolutions to 7680x4320@60Hz YUV 4:4:4, UHD 4Kx2K resolutions to 3840x2160@120Hz 4:4:4, 2560x1440p (WQHD), HDTV resolutions to 1080p, and up to 1920x1200 (WUXGA).
 - ♦ Default resolution: 1080p.
- One male HDMI port for source connection.

Power

- Powered by video source.

Dimensions

- WxDxH (in): 0.94x1.69x0.39 (24x43x10 mm)

Environmental

- Operating temperature: 32 to 122°F (0 to 50°C)
- Storage temperature: -4 to 176°F (-20 to 80°C)
- Operating relative humidity: up to 85% non-condensing RH.
- Storage relative humidity: up to 90% non-condensing RH.

Regulatory Approvals

- CE, FCC, RoHS
- TAA compliant

Warranty

- Two years